

ABSTRACT OF THE DISCLOSURE

[00038] A differential mechanism includes a housing portion having a generally annular wall with a generally annular inner surface. The annular wall defines an open end of the housing portion. The lid is affixed to the open end forming an enclosure with the housing portion. The opposing side bevel gears are in driving engagement with at least one bevel pinion assembly. The bevel pinion assembly includes at least one bevel pinion shaft with opposing axial ends, each supporting a side bevel gear. The bevel pinion assembly and the side bevel gears are disposed within said enclosure. The annular inner surface defines at least two receptors having ingress's , each receptorengaging one axial end of the pinion shaft independently of the lid.